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LIST OF PUBLISHED AND PROCESSED REPORTS

of

RESEARCH IN FOODS, HUMAN NUTRITION, AND HOME ECONOMICS

at the

LAND-GRANT INSTITUTIONS

October 1951--October 1952

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Compiled by

Christine Justin and Georgian Adams

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Explanatory Note

This compilation presents a comprehensive list of published and processed reports, from October 1951 to October 1952, of research in home economics and related areas at the Land-Grant institutions. The material has been classified by states and further organized, and indexed, according to major emphasis, into the following areas: Family and Food Economics; Family Life and Child Development; Family Relationships; Food Composition and Nutritive Value; Food Preparation and Utilization; Food Processing and Technology; Food Quality and Standards; Home and Institutional Management; Home Economics Education; Miscellaneous; Household Equipment; Housing; Nutrition and Diet; Reports; Textiles and Clothing.

References to joint reports or regional cooperative research carry notations as to station and U.S.D.A. cooperation. Requests for station publications should be directed to the station concerned; for convenience, post office addresses of the stations are given on the following page.

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Office of Experiment Stations  
Agricultural Research Service  
UNITED STATES DEPARTMENT OF AGRICULTURE

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ADDRESSES OF AGRICULTURAL EXPERIMENT STATIONS

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COLORADO - Fort Collins  
CONNECTICUT - New Haven (4)  
[CONNECTICUT] - STORRS - Storrs  
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GEORGIA - Experiment  
HAWAII - Honolulu (14)  
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MISSISSIPPI - State College  
MISSOURI - Columbia

MONTANA - Bozeman  
NEBRASKA - Lincoln (1)  
NEVADA - Reno  
NEW HAMPSHIRE - Durham  
NEW JERSEY - New Brunswick  
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OKLAHOMA - Stillwater  
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SOUTH CAROLINA - Clemson  
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WEST VIRGINIA - Morgantown  
WISCONSIN - Madison (6)  
WYOMING - Laramie

ALABAMA

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The importance of choline in the prevention of nutritional edema in rats fed low-protein diets. Jour. Nutr. 47(3): 361-374. 1952.

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Prevention of nutritional edema with vitamin B<sub>12</sub> and folic acid. Abs. in Fed. Proc. [Fed. Amer. Soc. Exptl. Biol.] 11(1): Pt.I, 441-442. 1952.

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Effect of fasting or protein depletion upon body weight, and fat, nitrogen, and choline content of livers of choline-deficient rats. Jour. Nutr. 46(4): 479-487. 1952.

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Prevention of DL-methionine toxicity in rats by vitamins E, B<sub>12</sub>, folacin, glycine, and arginine. Proc. Soc. Exptl. Biol. and Med. 78(3): 728-731. 1951.

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Studies on amino acid imbalances in the rat. Abs. in Fed. Proc. [Fed. Amer. Soc. Exptl. Biol.] 11(1): Pt.I, 281. 1952.

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Alabama Agr. Expt. Sta.

Progress reports Alabama Sta. 60th and 61st Ann. Rpt. for the Period January 1, 1949 to December 31, 1950, p. 35, 36, 39. 1951.

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Food Composition and Nutritive Value

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Amino acids in vegetables. Progressive Agric. in Arizona 4(2): 5. 1952. *Data given here*

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The essential amino acid content of several vegetables. Food Res. 17(5): 442-447. 1952.

Housing

Johnson, B. E.

Indoor play areas for the preschool child. Arizona Agr. Expt. Sta. Tech. Bul. 126, 26 p. 1952.

Woolrich, A., Beveridge, E. and Wilson, M.

Housing needs of Western farm families. Western Cooperative Series Research Report No. 1. 215 p. 1952. (Coop: Cal., Colo., Mont., Ore., Utah and Wash. Stas. and U.S.D.A., BHNHE)

Nutrition and Diet

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D. F., Stephen, C.A.L., Jr., Johnson, R. B., and Kemmerer, A. R.

Amino acid studies and clinical findings in normal adults and rheumatoid arthritis patients treated with ACTH. Jour. Clin. Invest. 31(4): 375-379. 1952.

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Fat-soluble vitamins. Ann. Rev. Biochem. 21: 333-354. 1952.

Laidlaw, E. H., Newman, R., MacMillan, D. and Thompson, E.M.

Children need milk. Progressive Agric. in Arizona 4(2): 4, 12. 1952.

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Progress reports in Arizona Sta. 61st Ann. Rpt. for the year ending June 30, 1950, p. 59-60. 1951.



ARKANSAS

Family and Food Economics

Harris, M. J. and Staab, J.

The relationship of current net income to the socio-economic status of southern farm families. Rural Sociology 16(4): 353-358. 1951. Coop: Miss., So. Car., Tenn., Va. Stas.; Inst. Stat., No. Car. State Col., and U.S.D.A., BHNHE)

Moser, A. M., Dean, W. T., Gillaspie, B., Dickins, D., Staab, J., Phipard, E. F., and Anderson, R. L.

Family food consumption in three types of farming areas of the South. II. An analysis of weekly food records, late winter and early spring, 1948. Southern Coop. Series Bul. 20, 207 p. 1951. (Coop: Miss., So. Car., Tenn. and Va. Stas.; Inst. Stat., No. Car. State Col., and U.S.D.A., BHNHE)

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Improvement of milled rice proteins by buttermilk and whey proteins. Abs. in Fed. Proc. [Fed. Amer. Soc. Exptl. Biol.] 11(1): Pt.I, 447-448. 1952.

Sure, B.

Influence of processing on efficiency of proteins in cottonseed and soybean meals. Abs. in Fed. Proc. [Fed. Amer. Soc. Exptl. Biol.] 11(1): Pt.I, 456. 1952.

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The relative values of the proteins in cereal grains. Arkansas Farm Res. 1(2): 3. 1952.

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Improvement in protein efficiency of a whole wheat cereal breakfast food with the amino acids lysine and threonine and vitamin B<sub>12</sub>. Arch. Ped. 69(9): 359-365. 1952.

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Influence of lysine, valine and threonine additions on the efficiency of the proteins of whole wheat. Arch. Biochem. and Biophysics 39(2): 463-464. 1952.

Housing

Wells, H.

"Tailored" linen storage facilities. Arkansas Farm Res. 1(2): 7. 1952.

ARKANSAS (continued)

Nutrition and Diet

Sure, B.

Further studies of vitamin B<sub>12</sub> in reproduction and lactation.  
Arch. Ped. 68(11): 540. 1951.

Sure, B., Easterling, L., and Jeu, S.

The specific effect of niacin on growth. Jour. Nutr. 46(1):  
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CALIFORNIA

Family and Food Economics

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Variations in prices paid for food as affected by income  
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Family use of dairy products. California Agric. 6(10): 3, 14.  
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Effect of tocopherol feeding on the composition of turkey  
tissues. Proc. Soc. Exptl. Biol. and Med. 78(1): 41-46. 1951.

Kraft, R. A. and Morgan, A. F.

The effect of heat treatment on the nutritive value of milk  
proteins. IV. The biological value of unheated and autoclaved  
dried skim milk. Jour. Nutr. 45(2): 567-581. 1951.

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Food Processing and Technology

Anon.

Research in viticulture. California Agric. 6(5): 15, 16.  
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Dessert wine progress. Food Engin. 24(6): 95-100, 209.  
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Cruess, W. V. and O'Neal, R.

Clarification of wines and vinegars. Wines and Vines 32(12):  
26-28. 1951.

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Davis, L. E., Marks, A. R., and Kilbruck, J. H.

Improving prune dehydration. California Agric. 6(5): 11-12. 1952.

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Packaging meat for lockers. California Agric. 6(7): 6. 1952.

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Inhibition and activation of orange pectinesterase. Arch. Biochem. and Biophysics 39(1): 51-55. 1952.

Joslyn, M. A. and David, J. J.

Acetaldehyde and alcohol in raw and [underblanched] peas. Quick Frozen Foods 25(4): 51-53, 151-152. 1952.

Joslyn, M. A., Mist, S. and Lambert, E.

The clarification of apple juice by fungal pectic enzyme preparations. Food Tech. 6(4): 133-139. 1952.

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The dehydration of foods. Chap. 33, p. 1773-1821 in The Chemistry and Technology of Food and Food Products, Vol. 3, Pt. 5, M.B. Jacobs, Editor. New York: Inter-science Publ., Inc., 2nd Ed., 1951.

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Looking for a new product?--Here's how to can rice-and-raisins. Canner 115(17): 12-13. 1952.

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Effect of temperature on certain products of vinous fermentation. Food Res. 17(3): 361-366. 1952.

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Purification and properties of dehydroascorbic acid reductase of peas (Pisum sativum). Arch. Biochem. and Biophysics 38: 451-465. 1952.

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Factors affecting the stability of color of canned ripe olives. Food Tech. 6(3): 110-113. 1952.

Friedman, M. E., Marsh, G. L. and Mackinney, G.

On color in tomato products. Food Tech. 6(10): 295-308. 1952.

Klose, A. A., Mecchi, E. P., Behman, G. A., Lineweaver, H., Kratzer, F. H., and Williams, D.

Chemical characteristics of turkey carcass fat as a function of dietary fat. Poultry Science 31(2): 354-359. 1952.



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Housing

- Woolrich, A., Beveridge, E. and Wilson, M.  
Housing needs of Western farm families. Western Cooperative Series Research Report No. 1. 215 p. 1952. (Coop: Ariz., Colo., Mont., Ore., Utah, and Wash. Stas. and U.S.D.A., BHNHE)

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- Arnrich, L., Lewis, E.M. and Morgan, A. F.  
Growth of dogs on purified diet plus aureomycin and/or vitamin B<sub>12</sub>. Proc. Soc. Exptl. Biol. and Med. 80(3): 401-404. 1952.
- Chope, H. D. and Dray, S.  
The nutritional status of the aging. California Medicine 74(2): 105-107. 1951.
- Guehring, R. R., Hurley, L. S. and Morgan, A. F.  
Cholesterol metabolism in pantothenic acid deficiency. Jour. Biol. Chem. 197(2): 485-493. 1952.
- Kennedy, B. M.  
Food preferences of pre-army age California boys. Food Tech. 6(3): 93-97. 1952.
- Morgan, A. F. and Lewis, A. M.  
Modification of choline deficiency by simultaneous pantothenic acid deficiency. Abs. in Fed. Proc. [Fed. Amer. Soc. Exptl. Biol.] 11(1): Pt.I, 451. 1952.
- Tolbert, M. E. and Okey, R.  
The relative rates of renewal of choline and phosphate in liver phospholipide in the rat. Jour. Biol. Chem. 194(2): 755-768. 1952.

COLORADO

Food Composition and Nutritive Value

- Patton, A. R. and Chism, P.  
Quantitative paper chromatography of amino acids. Analyt. Chem. 23(11): 1683-1685. 1951.

Food Processing and Technology

- Anon.  
Golden-hued, tasty chips are made from high gravity spuds. Farm and Home Res. [Colorado Sta.] 1(6): 9, 13. 1951.



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Non-enzymatic browning in potatoes. Jour. Colo.-Wyo. Acad. Sci.  
4(9): 41. 1951.

Johnson, G., and Johnson, D. K.  
Natural flavor retained in new frozen uncooked apple pulp.  
Food Tech. 6(7): 242-245. 1952.

Johnson, G.  
Chlorogenic acid a possible metabolite in the terminal oxidase  
system of the white potato. Science 115(2999): 675. 1952.

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The mechanical separation of potatoes into specific gravity  
groups. Colorado Agr. Expt. Sta. Bul. 422-A. 40 p. 1952.  
(Coop: U.S.D.A. Bur. Plant Indus., Soils & Agric. Eng.)

Housing

Woolrich, A., Beveridge, E. and Wilson, M.  
Housing needs of Western farm families. Western Cooperative Series  
Research Report No. 1. 215 p. 1952. (Coop: Ariz., Cal., Mont.,  
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Nutrition

Frey, P. R. and Madsen, I. L.  
Utilization of carotene in the animal body. Feedstuffs 23(46):  
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CONNECTICUT

Food Composition and Nutritive Value

Fisher, H. J.  
The 55th report on food products and the 43rd report on drug  
products, 1950. Connecticut Agr. Expt. Sta. Bul. 558, 78 p. 1952.

STORRS (CONNECTICUT)

Food Processing and Technology

Anderson, E.O. and Jackson, H. V.  
Commercial eggnog drinks. Storrs [Connecticut] Agr. Expt. Sta.  
Bul. 279. 41 p. 1951.

DELAWARE

Food Processing and Technology

Baker, G.L., Kulp, J. F. and Miller, R.A.  
Role of pectin as related to dehydration and rehydration of  
simulated fruit preparations. Food Res. 17(1): 36-45. 1952.

FLORIDA

Food Composition and Nutritive Value

Abbott, O. D., French, R. B. and Townsend, R. O.

Effect of processing upon the nutritive value of milk as evaluated with rats. Florida Agr. Expt. Sta. Bul. 485. 12 p. 1951.

Janes, B. E.

Composition of Florida-grown vegetables. III. Effects of location, season, fertilizer level and soil moisture on the mineral composition of cabbage, beans, collards, broccoli and carrots. Florida Agr. Expt. Sta. Bul. 488. 32 p. 1951.

Food Processing and Technology

Krienke, W. A. and Mull, L. E.

Delicate flavors of fresh citrus captured in new ice cream. Ice Cream Rev. 36(4): 46-47. 1952.

Olsen, R. W., Stearns, C. R., Jr., and Hendrickson, R.

Examination of citrus juices processed from parathion-sprayed fruit. Food Tech. 6(9): 350-351. 1952.

Rouse, A. H. and Atkins, C. D.

Heat inactivation of pectinesterase in citrus juices. Food Tech. 6(8): 291-294. 1952.

Food Quality and Standards

Wenzel, F. W., Atkins, C. D., Hill, E. C., Huggart, R. L. and Olsen, R. W.

Evaluation and use of citrus juice dispensers. Quick Frozen Foods 14(12): 49-51, 96-97. 1952.

Nutrition and Diet

Abbott, O. D., Townsend, R. O. and French, R. B.

A survey of food preferences of Florida men. Florida Agr. Expt. Sta. Bul. 500. 26 p. 1952.

Reports

Florida Agr. Expt. Sta.

Progress reports in the Florida station Ann. Rpt. for the fiscal year ending June 30, 1951, p.74-77, 84. 1951.

GEORGIA

Food Composition and Nutritive Value

Wade, B. L., Kanapaux, M. S., Speirs, M., Pickett, T. A.,  
Cowart, F. F., Sheets, O. A., Gieger, M., Permenter, L. McW.,  
Bowlers, J. L., Cordner, H. B., Mitchell, J. H., Roderick, D. B.,  
Garrison, O. B., Whitacre, J. O., Richardson, L. R., Fudge, J. F.,  
Brittingham, W. H., Reed, H. M., and Wakeley, J. T.

Composition of southern peas. Southern Coop. Ser. Bul. 15, 29 p.,  
1951. (Coop: Miss., No. Car., Okla., So. Car. and Tex. Stas. and  
U.S.D.A. Veg. Breeding Lab.)

Food Processing and Technology

Cecil, S. R.

Good curing and storage practices yield high quality bacon.  
Research News [Georgia Expt. Sta.] 3(8): 3. 1952.

Powers, J. J., Pratt, D. E. and Norris, W.

Comparative heating rates of bentonite suspensions in jars  
processed in boiling water and in steam at atmospheric pressure.  
Food Tech. 6(7): 246-250. 1952.

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Sweet corn is excellent for freezing. Georgia Agr. Expt. Sta.  
Press Bul. 636, 2 p. processed. 1952.

Siewert, S. W., Dupree, W. E. and Woodroof, J. G.

Home methods of preserving muscadine grapes. Georgia Agr. Expt.  
Sta. Mimeog. Ser. Paper 37. Sept. 1951.

Food Quality and Standards

Dempsey, A. H. and Brantley, B. B.

Comparison of some new varieties of sweet potatoes. Georgia Agr.  
Expt. Sta. Press Bul. 632, 2 p. processed. 1951.

Heaton, E. K. and Woodroof, J. G.

Extending candy shelf-life. Food Engin. 24(10): 95-98, 153, 155,  
157. 1952.

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Georgia Agr. Expt. Sta. Mimeog. Ser. Paper 23, 41 p. 1952.

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Nuts: better kept--better candy. Food Engin. 23(11): 129-131, 148,  
150. 1951.

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Georgia Agr. Expt. Sta.

Progress reports in Georgia station Ann. Rpt. for the year 1950-51.  
p. 41-47. 1952.



HAWAII

Food Composition and Nutritive Value

Derstine, V. and Rada, E. L.

Some dietetic factors influencing the market for Poi in Hawaii. Univ. Hawaii Agr. Econ. Bul. 3, 43 p. 1952.

Miller, C. D., Denning, H. and Bauer, A.

Retention of nutrients in commercially prepared soybean curd. Food Res. 17(3): 261-267. 1952.

Miller, C. D., Bauer, A. and Denning, H.

Taro as a source of thiamine, riboflavin, and niacin. Jour. Amer. Dietet. Assoc. 28(5): 435-438. 1952.

Food Processing and Technology

Duernberger, G. W. and Shaw, T.

New papaya products. Hawaii Agr. Expt. Sta. Prog. Note 77, 2 p., processed. Apr. 1952.

Seagrave-Smith, H.

Passion fruit is projected for frozen concentrates. Food Engin. 24(7): 94. 1952.

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